



# HF Happenings 845

Volume 19, Issue 3, the week of 29 April 2019

You can now download your copy of HF Happenings from [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssota.wordpress.com/>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>



## TQSL: New Version

A new version (v2.4.7) of LoTW's Trusted QSL (TQSL) has been released: <http://www.arrl.org/tqsl-download>. This version corrects a defect in the Windows auto update process when performing the download and install of a new version. Because this defect was present in TQSL v2.4.4, v2.4.5 and v2.4.6, those versions are unable to automatically update themselves to v2.4.7. In order to upgrade, users with those versions of TQSL installed must manually download and install TQSL v2.4.7 from <http://www.arrl.org/files/file/LoTW%20Instructions/tqsl-2.4.7.msi>

## World Scout Jamboree gearing up for Significant Amateur Radio Presence

Amateur Radio will be a part of the 24th World Scout Jamboree in West Virginia, USA. The Jamboree has chosen the theme "Unlock a New World." Thousands of Scouts and Scout leaders from some 200 countries are expected to attend. The Jamboree's Amateur Radio Exhibit will use the call sign NA1WJ and will be on the air during the event from 22 July to 2 August at the Summit Bechtel Reserve. Amateur Radio testing is expected to begin as early as 14 July.

The goals of the Amateur Radio station at the World Scout Jamboree are to introduce Amateur Radio to Scouts and Scout leaders through hands-on participation in two-way communication with other stations across the globe. This activity will also serve as the Amateur Radio voice of the Jamboree. Other facets of Amateur Radio at the Jamboree will include Amateur Radio direction finding

## April

29 – closing date QRP logs, ZS4 logs and VHF digital logs

29 April to 5 May - Afrikaburn, Tankwa Karoo

## May

1 – Worker's Day

3 - World Press Freedom Day

4 and 5 - AWA Valve QSO Party;

Riebeeck Valley Olive Festival

6 – Eta Aquarid meteor shower; Start of Ramadan

8 - Time of Remembrance and Reconciliation for those who lost their lives during the Second World War; SA Election Day

11 and 12 - Mills on the Air

12 - Mother's Day; World Migratory Bird Day

15 - International Day of Families

17 to 19 – Dayton Hamvention

18 - May RAE (10:00 to 13:00 CAT)

19 – ZS3 Sprint

20 - Closing date for AWA Valve QSO Party logs

21 - Highway ARC Monthly Meeting

24 - Closing date for June Radio ZS

24 and 25 - Stoep Tasting, Graaff-Reinet

25 and 26 - CQ WPX CW contest

30 - Ascension Day

31 – Republic Day

(ARDF), Amateur Radio satellite contacts, and a scheduled Amateur Radio on the International Space Station (ARISS) contact with an ISS crew member. It is expected to launch one or two balloons with Amateur Radio payloads and track them as they cross the Atlantic.

### CW Skimmers and the Reverse Beacon Network

Being spotted by CW skimmers is important if you're running during a contest, so it pays to understand how Reverse Beacon Network (RBN) stations determine a station is soliciting contacts <http://reversebeacon.net/>. According to Bob, N6TV, "The skimmer software looks for certain patterns of symbols representing a call sign. It also looks for **CQ** or **TEST** to distinguish "runners" from "callers." Also, according to Bob, the call sign patterns are determined by a fixed set of patterns representing call signs like N6@ N6@@... N6@@@@@, where each @ "represents a number, letter, or slash." Note that each @ matches ONE number, letter, or slash. Probably more than you wanted to know, but here is the important part:

While operating mobile, roving, and other situations where you are including more than your call sign in a CQ message, make sure you call "CQ <YOURCALL> <YOURCALL> <OTHER INFORMATION>" specifically with SPACES around your call sign. In the specific case of putting your county in your CQ message, DO NOT attach it to your call sign with a slash, since the skimmers will not match it.

### Harness Hang Syndrome

Fall-arrest gear is meant to reduce the chances of death from falling from a tower. But dangling at the end of a rope in fall-arrest gear places you in grave peril from Suspension Trauma or "Harness Hang Syndrome (HHS)." According to the linked article, you have about 10 minutes before the effects of HHS start. You should always have a ground crew that can summon help and assist in your rescue, and the article provides some suggestions on what *might* be effective to delay HHS if you are in this position. <https://www.dynamicrescue.com/blogs/news/13262417-ask-a-pro-what-is-suspension-trauma-aka-harness-hang-syndrome>

### New WSJT-X protocol, FT4

Surely you've heard of the newest WSJT-X protocol, FT4 <http://www.arrrl.org/news/faster-more-contest-friendly-ft4-digital-protocol-to-debut-in-a-week>. FT4 was specifically designed to be better performing than other digital contest modes with faster speeds and better weak-signal performance [http://physics.princeton.edu/pulsar/k1jt/FT4\\_Protocol.pdf](http://physics.princeton.edu/pulsar/k1jt/FT4_Protocol.pdf). You should be able to download a "beta" version as [WSJT-X 2.1.0-rc5](https://physics.princeton.edu/pulsar/k1jt/wsjsx.html) by the time you read this <https://physics.princeton.edu/pulsar/k1jt/wsjsx.html>. After FT4 has stabilized and been proved, Joe, K1JT, has stated he would expect it to be able to be integrated with popular logging programs such as *N1MM Logger+* much like RTTY has.

Joe, K1JT, spoke at the Fair Lawn Amateur Radio Club recently, with the two-part video (Part 1 [www.youtube.com/watch?v=0edSacXsSco](http://www.youtube.com/watch?v=0edSacXsSco), Part 2 [www.youtube.com/watch?v=2Pd7zB40xdY](http://www.youtube.com/watch?v=2Pd7zB40xdY)) captured and placed on YouTube. Part 2 of the discussion included details on the new FT4 mode, as well as mention of some of the *WSJT-X* derivative works such as *MSHV*, *JS8Call*, and *JTDX*. The FT4 discussion starts at about 15:00.

A new "feature" in the RC5 release candidate of *WSJT-X* is moving "OK" and "Cancel" buttons as part of the QSO save process. The *WSJT-X* authors apparently felt compelled to do this because there are perceived to be operators that have automated the *WSJT-X* QSO process by using keyboard/mouse macro programs that can drive the UI. If you think you hit the wrong button to log a QSO, you can just press the "Log QSO" button again and try again.

## N1MM Logger+

N1MM Logger+'s Spectrum window display feature is being improved with a static reduction feature. According to Tom, N1MM, it's not that the N1MM Logger+ is reducing or filtering static from the received signal, it's just that the display will "omit displaying static crash data."

## Word to The Wise

Dispersion - for electromagnetic radiation, signal degradation caused by variances in the velocity factor of the propagation medium between the frequencies composing the signal. In amateur applications, dispersion is usually only a factor for wideband signals at microwave frequencies or above.

## Shunt feed a tower

Mark, K6UFO, recommends this YouTube video by Steve, VE6WZ, on how to shunt feed a tower, saying, "Even though I have fumbled through shunt feed a couple times, when I watched the video it finally made sense!" <https://youtu.be/cHlc5MTGTFM>

## The ARRL 10 Metre Contest

The full ARRL 10 Metre Contest Results are now available at <https://contests.arrl.org/ContestResults/2018/10M-2018-FinalFullResults.pdf>; past contest results are also available at <http://www.arrl.org/contest-results-articles> and [contests.arrl.org](https://contests.arrl.org).

## Operating Tip

Train Your Weaknesses with the Contest Super Simulator. Steve, W1SRD, suggested at an IDXC talk that you should train to become better at the things that you know are a challenge, while choosing contest strategies that will capitalize on your skills and your station's resources <https://www.dxconvention.com/>. We naturally gravitate towards doing things that we like to do...because that's fun! But to get better at skills that we find difficult we have to get out of our comfort zone and practice them. Steve suggests using the free *Contest Super Simulator* by Wayne, W5XD, to increase operator skills regardless of mode. It can handle RTTY, CW, and SSB training scenarios, including SO2R. It faithfully recreates challenging situations such as bad operator behaviours, multiple callers, repeats, off-frequency calling and responds to operator radio skills such as tuning, bandwidth adjustments, and the like. Use it to present operating challenges that are uncomfortable, but that can be conquered over time. <https://writelog.com/downloads/contest-super-simulator> and <https://www.rttycontesting.com/tutorials/contest-super-simulator/>



*A number of people were wearing these buttons at the IDXC, as a reminder to omit the phrase "please copy" in any form of contesting.*

## African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))*

Ghana, 9G. Emil, ZS6EGB is currently active daily as 9G5ZS on FT8. He plans to stay in the country until February 2020. QSL via LoTW and ZS1XB (direct).



## African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Reunion Island, TO19. Croatian operators from the Radio Club Marjan (9A1CBM) and Radioclub Kastilac (9A1CIG) should be active using the special callsign, TO19A, until 8 May. Operators mentioned are Tom, 9A2AA, Livio, 9A7Y, Mladen, 9A2NA, Ante, 9A8RA, Jerko, 9A3EME, Jakša, 9A3CJW and Rolando, 9A3MR. Activity will be on various HF bands, but with a focus on the low bands. Individual trips to the mountain peaks on the island are also planned and SOTA references are actively involved. As the expedition is located in the national park area, the connection will be valid for the WWFF reference FFF-0011. QSL Manager is Tom, 9A2AA.



Seychelles, S7. Laci, HA7JTR, will be active as S79HA from Anse Kerlan on Praslin Island (AF-024) between 22 and 29 May. Activity will be holiday style on 160 to 17 metres, focus will be on the low bands with a Kenwood TS-480HX with 200 watts into an Inverted L, using mainly CW, but with some SSB. QSL via LoTW or eQSL. Paper QSLs via the Bureau or direct to HA7JTR.

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 29 April to 6 May 2019

### QCX Challenge

13:00 - 14:00 UTC 29 April and 19:00 - 20:00

UTC 29 April and 03:00 - 04:00 UTC 30 April

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op

Max power: HP: >5 watts; QRP: 5 watts

Exchange: RST, name, state, province or country and rig

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each QSO with a QCX station once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 7 May 2019

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at: [www.qrp-labs.com/party.html](http://www.qrp-labs.com/party.html)

### Phone Fray

02:30 - 03:00 UTC 1 May

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or

country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-

NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7)

once per band; Each VE province/territory

once per band; Each North American country

(except W/VE) once per band

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 03:00 UTC 3 May 2019

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

[http://www.perluma.com/Phone\\_Fray\\_Contest\\_Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)

### AGCW QRP/QRP Party

13:00 - 19:00 UTC 1 May

Geographic Focus: Europe

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: 5 W (A); 20 W (B)

Exchange: RST, QSO no, "/" and class ID (A or B)

Work stations: Once per band

QSO Points: 1 point per QSO with class B; 2

points per QSO with class A

Multipliers: DXCC countries once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 20 May 2019  
E-mail logs to: [qrp-party@agcw.de](mailto:qrp-party@agcw.de)  
Mail logs to: Manager, Udo Witte, DJ4FV, Sandbreite 7, D-49134 Wallenhorst, Germany  
Find rules at:  
<http://www.agcw.org/index.php/en/contests-and-cw-activities/qrp-qrp-party>

CWops Mini-CWT Test  
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 1 May and 03:00 - 04:00 UTC 2 May  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts  
Exchange: Member: Name and member no; non-Member: Name and state, province or country  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: Each call once  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 04:00 UTC 4 May 2019  
Post log summary at:  
<http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: <https://cwops.org/cwops-tests/>

NRAU 10 m Activity Contest  
17:00 - 18:00 UTC (CW) and 18:00 UTC-19:00 UTC (SSB) and 19:00 - 20:00 UTC (FM) and 20:00 - 21:00 UTC 2 May (Dig)  
Geographic Focus: Nordic Europe  
Participation: Worldwide  
Mode: CW, SSB, FM, Digital  
Bands: 10 m Only  
Classes: (none)  
Exchange: RS(T) and 6-character grid square  
QSO Points: (see rules)  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 16 May 2019

Upload log at:  
[http://ua9qcq.com/en/submit\\_log.php?lang=en](http://ua9qcq.com/en/submit_log.php?lang=en)

Mail logs to: (none)  
Find rules at: <http://www.nrau.net/activity-contests/below-30mhz.html>

SKCC Sprint Europe  
19:00 - 21:00 UTC 2 May  
Geographic Focus: Europe  
Participation: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10, 6 m  
Classes: (none)  
Exchange: RST, state, province or country, name and SKCC no or power  
Work stations: Once per band  
QSO Points: (see rules)  
Multipliers: Each state, province, or country once  
Score Calculation: Total score = (total QSO points x total mults) and bonus points  
Submit logs by: 9 May 2019  
E-mail log summary to: (none)  
Post log summary at:  
[http://www.skccgroup.com/operating\\_activities/skse/submit-display.php?submit\\_id=165](http://www.skccgroup.com/operating_activities/skse/submit-display.php?submit_id=165)  
Mail logs to: (none)  
Find rules at:  
[http://www.skccgroup.com/operating\\_activities/skse/](http://www.skccgroup.com/operating_activities/skse/)

NCCC RTTY Sprint  
01:45 - 02:15 UTC 3 May  
Geographic Focus: North America  
Participation: Worldwide  
Mode: RTTY  
Bands: (see rules)  
Classes: (none)  
Exchange: Serial no, name and QTH  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 5 May 2019  
E-mail logs to: (none)  
Post log summary at:  
<http://www.3830scores.com/>  
Mail logs to: (none)  
Find rules at:  
<http://www.ncccsprint.com/rttyns.html>

NCCC Sprint

02:30 - 03:00 UTC 3 May  
Geographic Focus: North America  
Participation: Worldwide  
Mode: CW  
Bands: (see rules)  
Classes: (none)  
Exchange: Serial no, name and QTH  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 5 May 2019  
E-mail logs to: (none)  
Post log summary at:  
<http://www.3830scores.com/>  
Mail logs to: (none)  
Find rules at:  
<http://www.ncccsprint.com/rules.html>

10-10 International Spring CW Contest  
00:01 4 May to 23:59 UTC 5 May  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 10 m Only  
Classes: Individual; Club; QRP  
Max power: non-QRP: >5 watts; QRP: 5 watts  
Exchange: 10-10 Member: Name, 10-10 number and state, province or country; Non-Member: Name, 0 and state, province or country  
QSO Points: 1 point per QSO with a non-member; 2 points per QSO with a 10-10 member  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 13 May 2019  
E-mail logs to: [tentencontest@ten-ten.org](mailto:tentencontest@ten-ten.org)  
Upload log at:  
<http://www.hamclubs.info/scorer/>  
Mail logs to: Dan Morris, KZ3T, 3162 Covington Way, Lenoir, NC 28645, USA  
Find rules at: <http://www.ten-ten.org/index.php/activity/2013-07-22-20-26-48/qso-party-rules>

ARI International DX Contest  
12:00 UTC 4 May to 11:59 UTC 5 May  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: Phone, CW, RTTY

Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op – CW, SSB, RTTY or mixed – low or high; Multi-Single; Multi-Multi; SWL  
Max power: HP: >100 watts; LP: 100 watts  
Exchange: I: RS(T) and 2-letter province; non-I: RS(T) and Serial No.  
Work stations: Once per mode per band  
QSO Points: 0 points per QSO with same country; 1 point per QSO with different country same continent; 3 points per QSO with different continent; 10 points per QSO with I/ISO/IT9 stations  
Multipliers: Each Italian province once per band; Each DXCC country once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 23:59 UTC 10 May 2019  
E-mail logs to: (none)  
Upload log at:  
[http://www.ari.it/index.php?option=com\\_content&view=article&id=4974&Itemid=335&lang=it](http://www.ari.it/index.php?option=com_content&view=article&id=4974&Itemid=335&lang=it)  
Mail logs to: (none)  
Find rules at: <http://www.ari.it/>

7th Call Area QSO Party  
13:00 UTC 4 May to 07:00 UTC 5 May  
Geographic Focus: United States/Canada state/province QSO party  
Participation: Worldwide  
Mode: CW, Phone, Digital (no FT8)  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op - CW, phone, digital or mixed - QRP, low or high; Single Op Assisted - CW, phone, digital or mixed - QRP, low or high; Multi-Single - low or high; Multi-Multi; Single Op County Expedition; M/S County Expedition; M/M County Expedition; Single Op Mobile - CW, phone or mixed - low or high; M/S Mobile - CW, phone or mixed - low or high  
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts  
Exchange: 7th Area: RS(T) and 5-letter state/county code; non-7th Area: RS(T) and state, province or DX  
Work stations: Once per band per mode per county  
QSO Points: 2 points per SSB QSO; 3 points per CW QSO; 4 points per digital QSO

Multipliers: 7th Area: Each state or province once; 7th Area: Each DXCC entity once (max of 10); non-7th Area: Each 7th area county once  
Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 May 2019

E-mail logs to: [7qplogs@codxc.org](mailto:7qplogs@codxc.org)

Mail logs to: 7th Call Area QSO Party, c/o CODXC, 61255 Ferguson Rd, Bend, OR 97702, USA

Find rules at:

<http://ws7n.net/7QP/new/Page.asp?content=rules>

Indiana QSO Party

15:00 UTC 4 May to 03:00 UTC 5 May

Geographic Focus: United States/Canada state/province QSO party

Participation: Worldwide

Mode: Phone, CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op – QRP, low or high; Multi-Single; Multi-Multi; Single-Op Mobile; Multi-Op Mobile; Portable; Rover

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: IN: RS(T) and county; non-IN: W/VE: RS(T) and state or province; DX: RS(T) and "DX"

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points per CW QSO

Multipliers: IN Stations: Each IN county, state, province once per mode; non-IN Stations: Each IN county once per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 1 June 2019

E-mail logs to: [inqp@hdxcc.org](mailto:inqp@hdxcc.org)

Mail logs to: HDXCC, c/o Tim Gardner, 332 S28th St., Lafayette, IN 47904, USA

Find rules at:

<http://www.hdxcc.org/inqp/rules.html>

Delaware QSO Party

17:00 UTC 4 May to 23:59 UTC 5 May

Geographic Focus: United States/Canada state/province QSO party

Participation: Worldwide

Mode: CW, Phone, Digital/RTTY

Bands: 160, 80, 40, 20, 15, 10, VHF

Classes: Single Op - QRP, low or high; Multi-Single - QRP, low or high

Max power: HP: >150 watts; LP: 150 watts;

QRP: 5 watts

Exchange: DE: RS(T) and County; non-DE: RS(T) and state, province or DX

Work stations: Once per band per mode

QSO Points: DE stations: 1 point per phone

QSO; DE stations: 2 points per CW/RTTY/digital

QSO; non-DE stations: 10 points per phone

QSO; non-DE stations: 20 points per

CW/RTTY/digital QSO

Multipliers: DE: each state, province and DXCC country once; non-DE: each DE county once

Power: >150 W = x 1, 150 W = x 2, 5 W = x 3;

Bonus: x 2 for at least one QSO with K3QBD

Score Calculation: Total score = (total QSO points x total mults x power mults x bonus mult) and 50 point electronic submission

bonus

Submit logs by: 4 June 2019

E-mail logs to: [qsoparty@gmail.com](mailto:qsoparty@gmail.com)

Mail logs to: DE QSO Party, PO Box 1050, Newark, DE 19715-1050, USA

Find rules at:

<http://www.fsarc.org/qsoparty/rules.htm>

FISTS Spring Slow Speed Sprint

17:00 - 21:00 UTC 4 May

Geographic Focus: United States/Canada

Participation: Worldwide

Awards: United States/Canada

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: QRP; QRO; Club

Max power: QRO: 100 watts; QRP: 5 watts

Exchange: FISTS: RST, state, province or

country, first name and FISTS no; non-FISTS:

RST, state, province or country, first name and power

Work stations: Once per band

QSO Points: 5 points per QSO with FIST

member; FIST members: 2 points per QSO with non-FIST member

Multipliers: Each US state and VE province once; Each DXCC country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 3 June 2019

E-mail logs to: [w2dab@fistsna.org](mailto:w2dab@fistsna.org)

Mail logs to: FISTS Sprint Log, c/o Dave  
Bamford W2DAB, 444 East 75 Street, 16F, New  
York, NY 10021, USA  
Find rules at:  
<http://fistsna.org/operating.html#sprints>

New England QSO Party  
20:00 UTC 4 May to 05:00 UTC 5 May and  
13:00 - 24:00 UTC 5 May  
Geographic Focus: United States/Canada  
state/province QSO party  
Participation: Worldwide  
Mode: Phone, CW/Digital  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high; Multi-  
Single; Mobile Single Op - QRP, low or high;  
Mobile Multi-Single  
Max power: HP: >150 watts; LP: 150 watts;  
QRP: 5 watts  
Exchange: CT, ME, MA, NH, RI, VT: RS(T),  
county and state; non-NE: RS(T) and state,  
province or DX  
Work stations: Once per band per mode per  
county  
QSO Points: 1 point per phone QSO; 2 points  
per CW/digital QSO  
Multipliers: NE Stations: Each state, province,  
DXCC country once; non-NE Stations: Each NE  
county once  
Score Calculation: Total score = total QSO  
points x total mults

Submit logs by: 4 June 2019  
E-mail logs to: [logs@neqp.org](mailto:logs@neqp.org)  
Mail logs to: NEQP, PO Box J, West Suffield, CT  
06093, USA  
Find rules at: <http://www.neqp.org/rules.html>

MIE 33 Contest  
23:00 UTC 4 May to 03:00 UTC 5 May  
Geographic Focus: Japan  
Participation: Worldwide  
Mode: CW, Phone  
Bands: All, except WARC  
Classes: Single Op (CW/Mixed); Single Op  
Single Band (CW/Mixed); Multi-Multi  
(CW/Mixed); SWL  
Exchange: Mie: RS(T), age and "ME"; non-Mie  
JA: RS(T), age and "MEJ"; non-Mie non-JA:  
RS(T) and age  
Work stations: Once per band  
QSO Points: (see rules)  
Multipliers: Each age once per band  
Score Calculation: Total score = total QSO  
points x total mults  
Submit logs by: 31 May 2019  
E-mail logs to: [log-contest@jarl-mie.com](mailto:log-contest@jarl-mie.com)  
Mail logs to: JARL Mie Branch, c/o T.Hasegawa,  
11-25 Kanocho, Tsu, Mie 514-0052, Japan  
Find rules at:  
<http://www.ztv.ne.jp/isoda/33/annual/42/42rule-e.html>

### Next Week's Contests

ARS Spartan Sprint, 01:00 - 03:00 UTC 7 May  
Phone Fray, 02:30 - 03:00 UTC 8 May  
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 8 May and 03:00 - 04:00 UTC 9 May  
NCCC RTTY Sprint, 01:45 - 02:15 UTC 10 May  
NCCC Sprint, 02:30 - 03:00 UTC 10 May  
VOLTA WW RTTY Contest, 12:00 UTC 11 May to 12:00 UTC 12 May  
CQ-M International DX Contest, 12:00 UTC 11 May to 11:59 UTC 12 May  
SKCC Weekend Sprintathon, 12:00 UTC 11 May to 24:00 UTC 12 May  
Arkansas QSO Party, 14:00 UTC 11 May to 02:00 UTC 12 May  
FISTS Spring Unlimited Sprint, 17:00 - 21:00 UTC 11 May  
WAB 7 MHz Phone/CW, 10:00 - 14:00 UTC 12 May  
4 States QRP Group Second Sunday Sprint, 00:00 - 02:00 UTC 13 May  
RSGB 80 m Club Championship, SSB, 19:00 - 20:30 UTC 13 May

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, Southgate ARC News,*